

SEQUENCE LISTING

<110> OKADA, Hidechika
OKADA, Noriko

<120> Human IgM antibody inducing apoptosis in HIV-infected cells and remedy for HIV-infection

<130> Q112017

<140> US 10/519,855
<141> 2005-09-14

<150> PCT/JP2003/008305
<151> 2003-06-30

<150> JP 2003-74316
<151> 2003-03-18

<150> JP 2002-227953
<151> 2002-07-01

<160> 8

<170> PatentIn version 3.3

<210> 1
<211> 470
<212> DNA
<213> Homo sapiens

<220>
<223> variable region of human immunoglobulin mu chain

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tgcagctggt ggagtctggg ggaggcctgg tcaagcctgg ggggtccctg agactctcct 180
gtgcagcctc tggattcacc ttcagtactt atagcatgaa ctgggtccgc caggctccag 240
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actcagttaa gggccgattc accatctcca gagacaacgc caagaactca ctgtatctgc 360
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<220>
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(1/4)

catctgtagg agacagagtc accatcactt gccgggagcag tcagggcatt agcaattatt 180
tagcctggta tcagcagaaa ccagggaag ttcctaaact cctgatctat gctgcatcca 240
ctttgcaatc aggggtccca tctcggttca gcggcagtg atctgggaca gatttcaact 300
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<212> PRT
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Val Gln Cys Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys
20 25 30

Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe
35 40 45

Ser Thr Tyr Ser Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
50 55 60

Glu Trp Val Ser Ser Ile Ser Ser Ser Ser Ser Tyr Ile Tyr Tyr Ala
65 70 75 80

Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn
85 90 95

Ser Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val
100 105 110

Tyr Tyr Cys Ala Arg Asp Leu Leu Ile Ala Val Ala Gly His Trp Gly
115 120 125

Gln Gly Thr Leu Val Thr Val Ser Ser
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(2/4)

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 ggtaaagggt tagaatgagt ttcttctatt tcttcttctt cttcttatat ttattatgct 240
 gattctgtta aaggtcgttt tactatttct cgtgataatg ctaaaaattc tttatattta 300
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 tgcgcgcct ccggcttcac etttctcacc tactccatga actgggtccg ccaggccccc 180
 ggcaagggtg tggagtgggt ctctccatc tctctctct cctctacat ctactacgc 240
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 cagatgaact ctttcgcgc cgaggacacc gccgtctact actgcgccg cgacttggtg 360
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<210> 6
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 <222> (110)..(119)
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 tccagtgtga ggtgcagctg gtggagctcg ggggaggcct ggtcaagccn nnnnnnnng 120
 g 121

<210> 7

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 <222> (7)..(16)
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 g 121

<210> 8
 <211> 32
 <212> PRT
 <213> Artificial Sequence

<220>
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 1 5 10 15
 Val Gln Cys Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys
 20 25 30